

Form PTO-1449		ATTORNEY DOCKET NO.	SERIAL NO.
PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		11-177 10/634,844	
Sheet 1 of 2		APPLICANT	Hideyuki HAYAKAWA et al.
		FILING DATE	GROUP
		8/6/03	

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
	✓	4,898,258	2/6/90	Ohe et al. (corres. to JP1-218975)		
	✓	5,785,145	7/28/98	Wakao et al. (corres. to JP8-192757)		
	✓	5,810,111	9/22/98	Takeuchi et al. (corres. to JP8-258730, EP0733536)		
	✓	5,836,419	11/17/98	Shimizu et al. (corres. to JP8-175403)		
	✓	5,844,386	12/1/98	Matsuoka et al. (corres. to JP9-24847, EP0753448)		
	✓	6,078,155	6/20/00	Tominaga et al. (corres. to JP2000-203437)		
	✓	6,107,716	8/22/00	Penketh (corres. to JP2001-506558, WO98/26972)		
	✓	6,123,167	9/26/00	Miller et al. (corres. to JP2000-6826, EP0963900)		
	✓	2002/0060105 A1	5/23/02	Tominaga et al. (corres. to JP2002-120739)		

FOREIGN PATENT DOCUMENTS						Translation	
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Yes	No
	✓	WO 98/26972	6/25/98	PCT Penketh			
	✓	0733536	9/25/96	EP Takeuchi et al.			
	✓	0753448	1/15/97	EP Matsuoka et al.			
	✓	0963900	12/15/99	EP Miller et al.			
	✓	64-6178	1/13/89	Japan Ohe et al.		X	
	✓	1-218975	9/1/89	Japan Ohe et al.			
	✓	1-154073	10/24/89	Japan Suda et al.		X	
	✓	6-281513	10/7/94	Japan Sonoda		X	
	✓	8-159887	6/21/96	Japan Shinohara		X	
	✓	8-164861	6/25/96	Japan Chikuma et al.		X	

EXAMINER:

Date Considered:

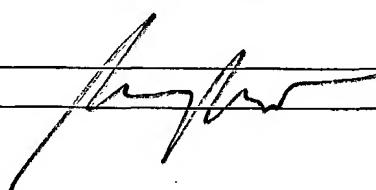
6/3/04

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PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)  Sheet 2 of 2		11-177	
		APPLICANT Hideyuki HAYAKAWA et al.	
		FILING DATE 8/6/2002	GROUP

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation	
						Yes	No
	Tu	8-175403	7/9/96	Japan Shimizu et al.		X	
	Tu	8-188164	7/23/96	Japan Endo et al.			page 1 in the spec.
	Tu	8-192757	7/30/96	Japan Wakao et al.			
	Tu	8-258730	10/8/96	Japan Takeuchi et al.			
	Tu	9-24847	1/28/97	Japan Matsuoka et al.			
	Tu	2000-6826	1/11/00	Japan Miller			
	Tu	2000-203437	7/25/00	Japan Tominaga et al.			
	Tu	2000-313345	11/14/00	Japan Ueno et al.		X	
	Tu	2000-318628	11/21/00	Japan Takashita		X	
	Tu	2001-16817	1/19/01	Japan Ishikawa		X	
	Tu	2001-112209	4/20/01	Japan Yamamoto		X	
		2001-506558	5/22/01	Japan Penketh	miss		
	Tu	2002-120739	4/23/02	Japan Tominaga et al.			

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